

Preliminary External Cause of Injury Mortality Matrix for ICD-10, June 12, 2001						
				Intent or Manner		
Mechanism or cause	All injury	Unintentional	Suicide	Homicide	Undetermined	Legal intervention/war
All injury	V01-Y36, Y85-Y87, Y89	V01-X59, Y85-Y86	X60-X84,Y87.0	X85-Y09,Y87.1	Y10-Y34,Y87.2, Y89.9	Y35-Y36, Y89(.0, .1)
Cut/pierce	W25-W29, W45, X78, X99, Y28, Y35.4	W25-W29, W45	X78	X99	Y28	Y35.4
Drowning	W65-W74, X71, X92, Y21	W65-W74	X71	X92	Y21	
Fall	W00-W19, X80, Y01, Y30	W00-W19	X80	Y01	Y30	
Fire/ hot object or substance	X00-X19, X76-77, X97-X98, Y26-Y27, Y36.3	X00-X19	X76-X77	X97-X98	Y26-Y27	Y36.3
Fire/flame	X00-X09, X76, X97, Y26	X00-X09	X76	X97	Y26	
Hot object/substance	X10-X19, X77, X98, Y27	X10-X19	X77	X98	Y27	
Firearm	W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0	W32-W34	X72-X74	X93-X95	Y22-Y24	Y35.0
Machinery	W24, W30-W31	W24, W30-W31				
All Transport	V01-V99, X82, Y03, Y32, Y36.1	V01-V99	X82	Y03	Y32	Y36.1
Motor Vehicle Traffic						
Occupant		V30-V39 (.4-.9)				
		V40-V49 (.4-.9)				
		V50-V59 (.4-.9)				
		V60-V69 (.4-.9)				
		V70-V79 (.4-.9)				
		V81.1 V82.1, V83-V86 (.0-.3)				
Motorcyclist		V20-V28 (.3-.9), V29 (.4-.9)				
Pedal cyclist		V12-V14 (.3-.9) , V19 (.4-.6)				
Pedestrian		V02-V04 (.1, .9) V09.2				
Other		V80 (.3-.5)				
Unspecified		V87(.0-.8), V89.2				
Pedal cyclist, other		V10-V11, V12-V14 (.0-.2)				
		V15-V18, V19 (.0-.3, .8, .9)				
Pedestrian, other		V01, V02-V04 (.0), V05, V06,				
		V09 (.0,.1,.3,.9)				

	All injury	Unintentional	Suicide	Homicide	Undetermined	Legal intervention/war
<b>Mechanism or cause</b>						
<b>Other land transport</b>		V20-V28 (.0-.2), V29 (.0-.3)				
		V30-V39 (.0-.3)				
		V40-V49 (.0-.3)				
		V50-V59 (.0-.3)				
		V60-V69 (.0-.3)				
		V70-V79 (.0-.3)				
		V80 (.0-.2, .6-.9)				
		V81-V82 (.0,.2-.9)				
		V83-V86 (.4-.9)				
		V87.9				
		V88 (.0-.9)				
		V89 (.0, .1 .3, .9)				
<b>Other Transport</b>		V90-V99				
<b>Natural /environmental</b>		W42, W43, W53-W64				
		W92-W99, X20-X39, X51-X57				
<b>Overexertion</b>		X50				
<b>Poisoning</b>	X40-X49, X60-X69, X85-X90, Y10-Y19, Y35.2	X40-X49	X60-X69	X85-X90	Y10-Y19	Y35.2
<b>Struck by or against</b>	W20-W22, W50-W52, X79, Y00, Y04, Y29, Y35.3	W20-W22, W50-W52	X79	Y00, Y04	Y29	Y35.3
<b>Suffocation</b>	W75-W84, X70, X91, Y20	W75-W84	X70	X91	Y20	
<b>Other specified, classifiable</b>	W23, W35-W41, W44, W49, W85-W91, Y85, X75, X81, X96, Y02, Y05-Y07, Y25, Y31, Y35(.1-.5), Y36(.0-.2,.4-.8)	W23, W35-W41, W44, W49 W85-W91, Y85	X75, X81	X96, Y02, Y05-Y07	Y25, Y31	Y35(.1, .5) Y36(.0, .2,.4-.8)
<b>Other specified, nec</b>	X58, Y86, X83, Y87.0, Y08, Y87.1, Y33, Y87.2, Y35.6, Y89(.0,.1)	X58, Y86	X83, Y87.0	Y08, Y87.1	Y33, Y87.2	Y35.6, Y89 (.0, .1)
<b>Unspecified</b>	X59, X84, Y09, Y34, Y89.9, Y35.7, Y36.9	X59	X84	Y09	Y34, Y89.9	Y35.7 Y36.9
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<b>Adverse effects</b>	Y40-Y59, Y60-Y84, Y88					
Drugs	Y40-Y59, Y88.0					
Medical care	Y60-Y84, Y88(.1-.3)					
Notes: This framework was developed to be consistent with the framework developed based on ICD-9 external cause of injury codes as published in <a href="http://www.cdc.gov/mmwr/PDF/rr/rr4614.pdf">http://www.cdc.gov/mmwr/PDF/rr/rr4614.pdf</a>						
Drowning is the one external cause that has been redefined in this matrix. Codes for water transportation-related drowning, V90 and V92, are included in the transportation codes rather than with the drowning codes. In the ICD-9 version of the matrix, the comparable codes, E830 and E832, were included with drowning. This change was made to be consistent with other mechanisms involved with water transport-related injuries.						